Appl. No. 10/092,662
Amdt. dated October 26, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2164

PATENT

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-23.    (Canceled)

1    24.    (Currently amended):  A storage system comprising:

2         at least one communication port configured to be coupled to a network;

3         a plurality of storage devices being different in access rate; and

4         a controller in data communication between the storage devices and the at least

5    one communication port,

6         wherein the at least one communication port receives from a computer connected

7    to the network a request for storing file data having a data structure comprising a plurality of data

8    blocks,

9         wherein the controller sets a policy according to a data structure of the file data to

10   determine in which storage devices the data blocks should be placed,

11        wherein the controller is operable to obtain the file data associated with the

12   request for storing,

13        wherein the controller is further operable to store constituent assign the data

14   blocks of the file data among one or more of to the storage devices by collating the policy when

15   the controller receives the file data associated with the request for storing via the communication

16   port,

17        wherein the data blocks are stored in the storage devices as determined by the

18   policy for each data block, a destination storage device is selected based at least on content of the

19   data comprising the data block.

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1    25.    (Previously presented):  The storage system of claim 24, further

2    comprising a memory controller, wherein the file data comprises a first data block and a second

3    data block, wherein the memory is configured with information indicative of one or more storage

4    devices on which the first data block is to be stored and on which the second data block is to be

5    stored, wherein the controller is operable to store the first data block on a first of the one or more

6    storage devices and to store the second data block on a second of the one or more storage devices

7    according to the information.

1    26.    (Previously presented):  The storage system of claim 24, further

2    comprising a memory controller, wherein the memory is configured with information that

3    associates one or more storage devices with a data structure and with the port over which data is

4    received, wherein the controller identifies a destination storage device for a received data block

5    based at least on a data structure of the received data block and the port over which the received

6    data block was received.

1    27.    (Previously presented):  The storage system of claim 24, wherein a first

2    storage device is designated to store data blocks of a first data structure, wherein the controller

3    stores a received data block having the first data structure in the first storage device.

1    28.    (Previously presented):  The storage system of claim 24, wherein the data

2    structure is defined using XML (extended markup language) and includes a header tag indicative

3    of a start position of a file and an end position of the file, and at least one data block tag

4    indicative of one or more data blocks located between the header tag and the end tag comprising

5    the file.

1    29.    (Previously presented):  The storage system of claim 28, wherein each

2    data block tag is associated with a storage device, wherein the controller is operative to store data

3    blocks indicated by a first data block tag onto a storage device associated with the first data

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4   block tag, wherein the controller is operative to store data blocks indicated by a second data

5   block tag onto a storage device associated with the second data block tag.


1       30.    (Previously presented):  The storage system of claim 28, wherein the

2   controller is operative to select a predetermined data block based on the data block tag.


1       31.    (Previously presented):  The storage system of claim 30, wherein each

2   data block tag is associated with a storage device, wherein the controller is operative to store data

3   blocks indicated by a first data block tag onto a storage device associated with the first data

4   block tag, wherein the controller is operative to store data blocks indicated by a second data

5   block tag onto a storage device associated with the second data block tag.


1       32.    (Previously presented):  The storage system of claim 24, wherein one of

2   the data blocks comprises image data.


1       33.    (Previously presented):  The storage system of claim 24, wherein one of

2   the data blocks comprises synchronous data to reproduce data in a synchronous manner.


1       34.    (Previously presented):  The storage system of claim 24, wherein one of

2   the data blocks comprises an object data of multimedia data.


1       35     (New):  A storage method for storing file data into a plurality of storage

2   devices comprising:

3           providing a plurality of storage devices, each being different in its access rate, to

4   store a different data block therein according to an attribute of the file data having a data

5   structure comprising a plurality of data blocks;

6           setting previously a policy according to the data structure of the file data to

7   determine in which storage devices that data blocks should be placed;

8           receiving from a computer a request for storing file data having the data structure

9   having the data blocks;

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10           assigning the data blocks of the file data to the storage devices by collating the

11   policy; and

12          storing the data block into the different storage devices assigned by the policy.

1         36.    (New)  The storage method of claim 35, wherein the data structure is

2   defined using XML (extended markup language) and includes a header tag indicative of a start

3   position of a file and an end position of the file, and at least one data block tag indicative of one

4   or more data blocks located between the header tag and the end tag comprising the file.

1         37    (New)  The storage method of claim 35, wherein the data blocks

2   comprises multimedia data including data encoded for every object set and for every scene,

3          wherein an object which is accessed by a large number of users is assigned to one

4   or more high access speed storage devices.

1         38.    (New)  The storage system of claim 24, wherein the controller is operable

2   to assign the data blocks of the file to two or more of the storage devices.